



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,236	04/12/2007	Akihito Shimahara	278542005800	5420
25225 7590 02/02/2010 MORRISON & FOERSTER LLP 12531 HIGH BLUFF DRIVE SUITE 100 SAN DIEGO, CA 92130-2040			EXAMINER SIVJI, NIZAR N	
			ART UNIT 2617	PAPER NUMBER
			MAIL DATE 02/02/2010	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/588,236	Applicant(s) SHIMAHARA ET AL.	
	Examiner NIZAR SIVJI	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 August 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>8/3/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of the Claims

1. Claims 1-13 are currently pending in this application.

Claim Objections

2. Claims 8 and 10 are objected to because of the following informalities: Applicant is claiming "any of Claims 1 to 6" should be any one of Claims 1 to 6. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
 2. Ascertaining the differences between the prior art and the claims at issue.
 3. Resolving the level of ordinary skill in the pertinent art.
 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
3. Claims 1-4, 8, 10, 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwanaga et al. Pub. No 2003/0092375 in view of Yoshiki Japanese Pub. No. JP8162909 (Reference in IDS).

Art Unit: 2617

Regarding Claim 1, Iwanaga discloses a storage unit operable to store information of a base station in correspondence with a receiving frequency of a broadcast Station receivable (Para 56-61 and Fig. 2, a storage unit 5 (corresponding to the broadcast information storing means and the cell information storing means). The storage unit 5 is comprised of a cell information storage table 51 and a broadcast information storage area 52. The antenna 2 mounted in the mobile phone 1 is configured to receive signals in a predetermined frequency band to and from the base station B1, B2. The broadcast information storage area 52 has an area for storing the broadcast information constituent data A including value-tags); a receiving control unit (Para 59, The control unit 4 reads out a program preliminarily recorded in ROM and exercises general control over each of the components according to the program. The control unit 4 also executes a process of selecting a transfer target cell and making a transfer to the cell). Iwanaga differs from the claimed invention in not specifically teaching a position information acquisition unit operable to acquire position information of a base station; a judgment unit operable to judge whether the acquired position information of the base station is stored in the storage unit; and, when the acquired position information is stored, read the receiving frequency corresponding to the acquired position information and instruct the broadcast receiving unit to receive the broadcast at the read receiving frequency. However, Yoshiki discloses Para 8, 10, 18, 30) a terminal unit which has a position information storage means (101) which memorizes position information of a wireless base station. A broadcast station selecting means (9) and a frequency memory measure (102, 103, and 104) which memorizes at least one broadcasting station

Art Unit: 2617

frequency about each of position information on two or more wireless base stations. A terminal unit also has a judging means (12, 8) to judge further receiving sensitivity in frequency searched means (8) from the 1st in the 3rd one of composition to the 4th to be. A position information restoration means (101) to restore position information on the wireless base stations. The control section 8 will require position information of a wireless base station and will register into the position information registering part 101 in the storage parts store the position information returned from this wireless base station. Therefore, it is obvious to one having ordinary skill in the art at the time the invention was made that a position information acquisition unit operable to acquire position information of a base station; a judgment unit operable to judge whether the acquired position information of the base station is stored in the storage unit; and, when the acquired position information is stored, read the receiving frequency corresponding to the acquired position information and instruct the broadcast receiving unit to receive the broadcast at the read receiving frequency as per teaching of Yoshiki so as to make a quicker cell transfer, as compared with the case of the mobile communication terminal transferring to the cell while receiving the whole of the broadcast information.

Regarding Claim 2, Yoshiki discloses further wherein the receiving control unit, when the acquired position information is not stored, includes: a frequency detection unit operable to perform auto preset processing of detecting a receiving frequency of a receivable broadcast station; and a recording unit operable to record the detected receiving frequency in correspondence with the acquired position information in the storage unit, and the receiving control unit, when the acquired position information is not

Art Unit: 2617

stored, instructs the broadcast receiving unit to receive the broadcast at the detected receiving frequency (Para 35-37).

Regarding Claim 3, Yoshiki discloses further a table acquisition unit operable to acquire a frequency range correspondence table that shows a correspondence between area information that identifies a country or an area and a frequency range receivable in the identified country or area; and a specification receiving unit operable to receive a specification of a piece of area information, wherein the frequency detection unit performs the auto preset processing within the frequency range corresponding to the specified area information (Para 35).

Regarding Claim 4, Yoshiki discloses further wherein the frequency range correspondence table shows a correspondence among the area information, the frequency range, and an audio de-emphasis amount in the identified country or area, the mobile phone includes an audio output unit operable to output audio, and the audio output unit outputs the audio by deemphasizing an audio signal of the broadcast to be received based on the audio de-emphasis amount corresponding to the specified area information (Para 37).

Regarding Claim 8, Yoshiki discloses further wherein the position information is position information of a call area to which the base station belongs (Para 8).

Regarding Claim 10, Yoshiki discloses wherein the broadcast is a television broadcast or a radio broadcast (Para 1 and 2).

Regarding Claim 12, Yoshiki discloses wherein the broadcast is a television broadcast or a radio broadcast (Para 1 and 2).

Art Unit: 2617

4. Claims 5-7, 9, 11, 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Iwanaga et al. Pub. No 2003/0092375 in view of Yoshiki Japanese Pub. No. JP8162909 (Reference in IDS) and further in view of Denso Corp Pub. No. JP 2004-23753 A (Reference in IDS).

Regarding Claim 5, Iwanaga discloses further a reading time recording unit operable to, each time the receiving frequency is read by the receiving control unit, record a last reading time of the receiving frequency in correspondence with an area number corresponding to the receiving frequency in the storage unit; a monitoring unit operable to monitor the last reading time corresponding to the area number at a constant time interval (Para 104-107). Iwanaga and Yoshiki differ from the claimed invention in not specifically teaching a recording deletion unit operable to delete the recorded number of receives counts. However, Denso discloses that walkie-talkie provided with a history recording device which records a using history of software saved in a memory and a deletion means, when saving in the memory software which an external acquisition means acquired, based on empty situations of a memory, and a using history of software which a history recording device is recording, a part of software in a memory is deleted from a memory to perform management of more efficient software (Para 12-13, 61-62). Therefore, it is obvious to one having ordinary skill in the art at the time the invention was made that a recording deletion unit operable to delete the recorded number of receive counts as per teaching of Denso so as to manage the memory in an efficient manner.

Art Unit: 2617

Regarding Claim 6, Iwanaga discloses further a number of read counts recording unit operable to, each time the receiving frequency is read by the receiving control unit, update a number of read counts of the receiving frequency, and record the updated number of read counts in correspondence with an area number corresponding to a read number of receive counts in the storage unit; a monitoring unit operable to monitor the number of read counts corresponding to the area number within a predetermined time period(Para 104-107). Iwanaga and Yoshiki differ from the claimed invention in not specifically teaching a recording deletion unit operable to delete the recorded number of receives counts. However, Denso discloses that walkie-talkie provided with a history recording device which records a using history of software saved in a memory and a deletion means, when saving in the memory software which an external acquisition means acquired, based on empty situations of a memory, and a using history of software which a history recording device is recording, a part of software in a memory is deleted from a memory to perform management of more efficient software (Para 12-13, 61-62). Therefore, it is obvious to one having ordinary skill in the art at the time the invention was made that a recording deletion unit operable to delete the recorded number of receive counts as per teaching of Denso so as to manage the memory in an efficient manner.

Regarding Claim 7, Denso discloses further wherein the monitoring unit monitors whether a memory capacity of the storage unit is full, and the recording deletion unit, only when the memory capacity is full, deletes the recorded number of receive counts from the storage unit (Para 12-13, 61-62).

Regarding Claim 9, Yoshiki discloses wherein the position information is position information of a call area to which the base station belongs (Para 8).

Regarding Claim 11, Yoshiki discloses wherein the broadcast is a television broadcast or a radio broadcast (Para 1 and 2).

Regarding Claim 13, Yoshiki discloses wherein the broadcast is a television broadcast or a radio broadcast (Para 1 and 2).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIZAR SIVJI whose telephone number is (571)270-7462. The examiner can normally be reached on 7:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/588,236

Page 9

Art Unit: 2617

/George Eng/

Supervisory Patent Examiner, Art Unit 2617

/NIZAR SIVJI/

Examiner, Art Unit 2617